Mr. Mark D. Argyle

Specializing in finding innovative solutions to practical problems

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Education: Mr. Argyle received his B.S. in chemical engineering in 1981 from Brigham Young University.

Licensing information

For information on licensing INL technologies such as those developed by Mr. Argyle, contact the Lead Account Executive for Industrial Processing and Manufacturing:

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Work experience: Mr. Mark D. Argyle is a senior advisory engineer/scientist in the Environmental R&D Laboratory Department at the Idaho National l Laboratory. He has been employed at the INL since 1989; he is currently responsible for the corrosion-monitoring program for the Nuclear Fuel Storage Facilities at the Idaho Nuclear Technology and Engineering Center.

Professional endeavors: Mr. Argyle's efforts have contributed to finding innovative solutions to a wide variety of problems, including: development of non-hazardous metal strippers for Air Force plating shops; development of an innovative process for applying textile treatment compositions to textile materials; production of bio-diesel from soybean oil using solid catalysts; solid catalyzed isoparaffin alkylation; alternative HEPA filter treatment process and other decontamination processes that minimize the generation of radioactive liquid waste; and cesium ion exchange for the treatment of radioactive liquid waste. He was awarded an R&D100 award in 1999 for his work on a "Supercritical Slashing" process that has the potential to completely revolutionize the current energy intensive slashing process used by the Textile Industry.

Patents:

U.S. Patent No. 5,709,910 -- Method and Apparatus for the Application of Textile Treatment Compositions to Textile Materials

U.S. Patent No. 6,495,204 -- Method for Modifying Monofilaments, Bundles of Monofilaments, and Fibrous Structural Materials

U.S. Patent No. 6,599,369 -- Method of Treating Contaminated HEPA Filter Media In Pulp Process

U.S. Patent No. 6,623,686 -- System Configured for Applying a Modifying Agent to a Non-Equidimension Substrate

U.S. Patent No. 6,652,654 -- System Configured for Applying a Multiple Modifying Agent to a Substrate